

**Herd Register or Generation Count 4-6 and BBR 100: Active (A) and Foreign (F) Bulls Marketed in US by JPI
December 2017**

PL	LIV	DPR	CCR	HCR	EFI	JPI	Type Hrds	Type Daus	Type REL	FS	ST	SR	DF	RA	RW	RL	FA	FU	RH	RWU	UC	UD	TP	TL	RTP RV	RTP SV	JUI
6.0	-0.5	1.6	2.5	4.3	7.4	198	31	170	94	0.7	0.9	0.9	0.3	L1.1	0.8	S0.5	S0.2	1.3	0.5	0.3	-0.1	S0.5	C0.4	L0.5	C1.0	C0.3	6.6
2.4	-3.5	-4.7	-3.2	-0.1	7.1	193	76	519	98	0.9	-0.6	0.7	0.4	H0.4	0.1	P0.6	S0.6	1.0	0.7	0.3	0.9	S0.5	C0.1	L1.0	W0.7	B0.1	9.0
7.3	1.4	-1.9	-3.2	-1.0	8.0	190	21	70	89	1.1	1.3	0.4	0.6	H0.3	1.0	P0.9	S1.2	2.3	0.5	0.4	0.3	S1.1	C1.0	L0.3	C1.5	C0.5	14.8
3.2	-2.2	3.4	4.6	6.0	3.5	186	11	30	82	-0.3	0.6	-0.6	0.2	L1.0	-0.4	S1.0	L0.1	-0.6	0.0	1.1	0.0	S0.7	W0.5	S0.4	C0.2	C0.9	1.5
7.4	-2.5	0.8	1.4	2.7	9.9	182	28	132	93	2.2	1.3	-0.1	1.9	H0.3	0.5	S0.4	S0.1	1.8	2.0	1.4	1.7	S2.1	C2.0	L0.1	C2.9	B1.4	28.9
7.7	1.2	0.7	1.1	2.4	8.7	176	19	101	91	0.4	0.5	0.7	-0.5	L0.7	0.6	P0.1	S0.2	1.8	-0.5	-0.4	-0.4	S1.4	W0.3	L0.7	C0.2	C0.3	7.0
7.7	1.4	-1.4	0.1	3.3	8.0	174	7	12	80	1.2	0.2	0.5	0.3	L0.8	0.3	S0.5	S0.5	1.8	1.0	0.2	-0.1	S2.0	C0.3	S0.1	C0.2	C0.6	16.9
6.7	2.8	3.6	4.9	4.1	8.2	174	79	248	96	1.0	1.2	1.0	0.1	L0.7	0.3	S0.3	S0.2	1.2	0.4	0.1	1.1	S0.9	C0.8	S0.2	C1.0	C0.2	14.1
3.6	0.3	-0.7	-0.1	1.4	6.8	168	0	0	75	1.2	1.9	0.9	0.7	L0.3	1.1	P0.4	S1.0	2.2	1.4	0.6	-0.2	S1.6	C1.8	S0.8	C1.5	C0.4	19.9
7.9	5.4	4.4	4.3	3.3	7.4	168	20	172	95	0.6	0.5	0.0	-0.5	H0.1	0.7	P0.2	L0.1	1.5	-0.3	-0.4	-0.4	S2.7	W0.3	S0.8	W0.6	C1.4	14.9
5.8	-1.1	-1.3	-1.3	-2.0	8.1	161	70	362	97	1.9	0.7	0.7	1.6	H0.4	0.6	S0.1	S0.8	1.9	2.0	1.2	0.2	S1.1	C0.1	L0.7	W0.1	B0.6	15.5
8.9	1.3	1.0	0.6	0.3	9.0	160	31	78	91	1.2	-0.2	-0.4	0.9	L0.9	-0.3	P0.1	L0.2	0.6	1.5	0.7	0.5	S1.4	W0.4	S0.2	C0.7	B0.6	13.7
4.7	-0.6	1.0	2.8	4.0	8.3	158	125	537	98	1.3	1.4	0.7	1.3	L0.6	0.2	S0.7	0.0	0.7	1.1	1.0	-0.1	S0.9	C0.2	S0.2	C0.2	B0.5	9.2
6.4	1.9	1.3	2.2	2.9	7.9	158	22	41	86	1.1	2.0	0.1	0.6	L0.7	0.6	S0.6	S0.4	0.8	0.9	0.5	0.6	S1.5	C0.8	S0.1	C0.4	C0.4	14.9
4.2	-1.6	2.5	4.6	2.7	1.8	157	51	72	76	-1.3	-1.3	-1.3	-0.5	H0.1	-0.9	S0.6	L0.2	-1.7	-1.4	-0.4	0.0	D0.1	W1.3	S0.2	W1.1	C0.9	-10.3
5.9	1.7	0.6	1.8	5.1	8.9	155	57	238	97	0.3	-0.9	-1.4	0.9	L0.5	-0.8	S0.4	L0.1	-0.7	0.8	0.7	0.9	S0.1	W1.0	S0.1	W0.4	B0.4	3.0
3.1	-0.7	-0.9	0.1	2.1	8.2	153	15	49	87	1.6	1.6	1.1	1.5	L0.7	0.5	S0.2	S0.5	1.5	1.9	1.1	1.3	S0.8	C0.6	L1.4	C0.4	B1.0	16.5
4.4	0.8	-1.4	-1.3	-0.8	10.0	152	31	374	97	1.3	1.5	0.0	1.0	L1.7	0.2	S0.3	L0.1	0.3	1.4	0.8	1.7	S0.8	C1.1	L0.4	C1.9	B0.1	15.5
2.4	-0.8	1.0	-0.4	0.2	2.2	152	76	152	77	0.1	0.2	-0.5	0.6	L1.7	0.0	0.0	L0.1	0.1	-0.3	0.4	-0.6	S0.7	C0.8	S0.6	W0.5	C0.8	2.4
9.2	1.7	-0.8	0.0	3.5	7.1	151	12	50	86	1.5	1.4	0.6	0.7	0.0	1.2	0.0	S0.3	1.2	0.4	0.5	0.6	S1.6	C0.2	L0.1	C1.0	C0.9	14.1
9.0	3.8	2.8	3.8	4.2	9.3	150	116	387	97	1.8	0.4	-0.5	1.0	H0.2	-0.3	P0.6	S0.9	2.0	1.3	0.8	0.9	S2.6	C1.0	S1.1	C1.4	C0.9	27.3
4.4	0.4	0.9	1.0	3.4	9.0	148	7	53	89	0.7	0.8	0.8	0.3	L0.8	0.6	S0.2	S0.8	1.1	-0.3	0.2	0.5	S0.8	C1.3	S0.3	C2.5	C0.6	10.0
5.6	2.2	0.3	1.4	2.7	9.0	148	15	46	87	1.8	2.4	0.6	1.0	L0.5	1.0	P0.1	S1.0	1.8	1.5	0.8	0.6	S2.4	C1.5	L0.3	C1.6	C0.5	23.6
4.8	1.1	-0.1	-0.8	3.1	11.4	146	48	1,057	99	1.4	2.7	0.6	0.7	L1.7	0.4	S0.8	S0.6	1.3	0.6	0.6	0.4	S2.1	C1.6	S0.4	C1.6	C0.8	19.0
6.5	-0.1	-1.7	0.8	4.5	8.9	145	277	1,535	99	1.0	-0.4	0.5	0.1	L0.3	0.0	0.0	0.0	1.5	0.8	0.1	0.4	S1.5	W0.5	S0.1	0.0	0.0	14.2
6.8	3.1	-2.7	-0.9	2.7	10.6	145	171	1,100	99	1.5	0.9	-0.9	1.6	L0.9	-0.4	0.0	S0.5	0.8	1.3	1.2	1.0	S1.1	C1.0	S0.9	C2.2	C0.1	17.3
5.8	0.6	-0.5	0.2	3.2	5.9	142	22	47	86	0.1	1.3	0.6	-0.1	H0.1	0.4	S0.4	S0.3	0.9	-0.1	-0.1	-0.2	S0.7	W0.2	L0.6	W0.9	C0.8	3.4
5.2	-0.5	3.1	3.6	3.8	1.5	141	136	294	76	-1.2	-0.7	-0.7	-0.5	L1.4	-1.3	S0.5	L0.8	-0.7	-1.0	-0.4	0.0	S0.6	W0.8	0.0	W1.4	C0.8	-3.0
6.0	-0.2	-0.6	1.1	-0.4	7.7	139	51	375	97	1.0	0.4	0.1	0.6	0.0	0.3	P0.1	S0.3	0.9	0.4	0.5	0.4	S0.6	C0.2	S0.2	C1.1	C0.3	8.5
4.6	0.3	-0.5	0.2	1.6	5.8	138	35	123	94	0.7	0.8	0.5	0.6	H0.5	0.6	S0.2	S0.5	0.5	0.1	0.4	0.0	S1.3	C0.2	S0.5	C1.3	B0.4	8.6
5.8	0.2	0.6	2.5	2.7	4.7	138	58	83	80	0.0	0.3	0.5	-0.1	H0.7	0.5	P0.4	S0.4	-0.5	-0.1	-0.1	-0.2	D0.8	W1.0	L0.2	W0.4	0.0	-7.6
8.6	1.6	0.7	1.7	2.7	9.4	138	12	92	91	2.1	1.9	0.4	1.2	H0.2	0.8	P0.1	S0.9	2.3	1.6	0.9	0.9	S3.2	C0.5	S0.1	C1.3	C0.5	29.4
5.6	2.0	-4.9	-4.2	0.3	10.5	137	141	634	98	1.8	2.3	0.4	1.8	L1.8	0.4	P0.5	S0.5	0.9	2.1	1.4	0.0	S0.8	W0.7	S0.8	W0.5	B0.5	12.2
7.2	2.2	2.6	5.7	6.2	2.3	137	231	1,126	80	-0.6	-0.3	-0.6	-0.6	L0.2	-0.2	P0.2	S0.7	-0.6	-0.6	-0.4	0.2	S1.6	W0.7	S0.4	W0.4	C0.3	4.4
7.3	2.6	1.9	1.7	2.4	8.5	136	38	243	96	1.0	-0.6	-0.3	0.8	L2.4	-0.9	S0.4	0.0	-0.2	1.6	0.6	1.0	D0.3	W0.3	S0.2	C0.4	B0.4	6.1
2.6	-1.8	2.0	1.4	-1.2	7.2	136	126	1,149	99	0.1	-0.6	-0.2	0.6	L1.2	-1.0	S0.7	L0.6	-0.7	0.7	0.5	0.5	D1.6	W0.2	L1.1	C0.4	C0.3	-7.4
7.4	2.3	0.3	0.7	2.2	8.3	136	8	24	84	1.1	1.1	-0.3	0.7	L0.3	0.5	0.0	S1.0	1.4	1.4	0.6	0.3	S2.0	0.0	L0.2	C0.3	C0.6	17.5
5.3	-2.8	-0.5	1.2	3.2	9.6	134	13	25	84	1.6	0.6	0.4	1.0	L0.1	0.2	P0.2	S0.4	1.5	1.9	0.7	0.2	S1.2	0.0	0.0	C0.2	C0.2	15.4
3.6	1.0	0.0	0.9	2.3	6.9	134	32	110	93	0.8	-0.4	-0.6	1.0	L0.4	-0.1	0.0	S0.6	0.7	1.0	0.7	-0.5	S0.6	C0.2	0.0	W0.3	C1.0	5.7
3.5	-1.0	-0.6	0.3	2.3	9.1	133	34	199	95	1.3	0.8	0.7	1.1	L0.6	0.3	S0.4	L0.2	1.1	1.8	0.8	0.1	S0.9	W0.8	0.0	W0.4	B0.2	11.3
2.9	-1.3	-1.6	-1.1	0.4	8.7	131	16	105	92	1.5	2.1	0.6	1.4	H0.3	0.7	0.0	S0.6	1.7	0.6	1.1	0.2	S2.2	C0.1	L1.2	C0.3	0.0	15.4
2.4	-0.8	3.1	2.5	3.0	3.7	131	140	373	81	0.2	1.3	0.4	-0.1	L1.4	0.6	P0.4	S0.1	0.2	-0.2	-0.1	-0.2	S2.5	W0.7	L0.8	W0.1	C0.7	8.3
5.9	2.3	0.9	0.6	2.0	8.3	122	5	17	84	1.7	1.2	0.2	1.5	L0.2	0.6	P0.3	S0.9	1.0	0.9	1.1	0.8	S1.0	C1.5	S0.3	C1.6	C0.8	15.3
3.8	-3.0	-1.6	-1.9	1.4	9.1	119	59	674	98	1.5	-0.1	-0.1	1.7	0.0	0.1	P0.1	L0.4	0.9	2.2	1.3	0.7	0.0	W0.2	L0.2	C1.1	C0.7	10.6
5.9	1.8	-1.4	-1.8	1.8	11.1	118	17	73	90	1.5	1.1	-0.5	1.1	L1.0	-0.4	S0.9	S0.3	1.1	1.9	0.8	0.4	S1.3	C1.6	S1.6	C1.7	C0.9	20.1
2.8	-0.6	-2.0	-1.9	1.1	9.4	116	36	606	98	0.4	0.0	-0.3	0.6	L1.8	-0.7	S0.8	0.0	0.3	-0.3	0.5	0.1	S1.4	C1.3	S1.2	C1.8	C1.8	10.4
5.5	2.8	-0.7	-1.2	0.0	9.5	115	102	368	97	2.4	1.1	0.5	1.4	L1.6	0.3	P0.1	S0.7	1.7	3.1	1.1	0.2	S1.6	C0.8	S0.4	C1.0	0.0	22.6
5.8	-0.6	2.5	4.6	4.6	6.6	115	800	11,480	99	0.6	-1.6	-1.2	0.2	L0.5	-0.6	S0.6	S0.2	0.9	1.1	0.2	0.3	S2.3	W0.3	S1.0	C0.3	C0.7	15.8
3.2	0.8	4.0	4.1	1.0	8.2	114	180	671	98	0.5	2.2	-0.1	0.3	L0.3	0.3	S0.7	S0.9	0.7	0.0	0.2	-0.2	S2.0	C0.4	L0.3	C0.6	C0.6	10.2
3.4	-0.5	-0.8	-0.5	2.7	6.1	108	21	37	85	1.3	-0.1	0.1	1.0	H0.5	0.3	P0.5	S0.9	2.2	1.5	0.8	-0.1	S2.0	C0.9	S0.3	C0.9	B1.0	20.5
5.0	2.2	-1.9	-1.6	1.9	10.9	107	319	1,890	99	1.2	1.1	-0.1	0.6	L2.2	0.0	S0.1	L0.3	1.0	1.0	0.4	0.9	S2.0	C1.3	S0.6	C2.3	C0.6	20.5
6.9	0.9	-0.3	-0.1	0.3	9.4	107	8	22	83	1.2	1.8	-0.3	0.4	L1.2	0.1	P0.2	S0.6	1.3	1.3	0.3	0.3	S2.3	C1.2	L0.5	C0.1	C1.3	19.3
2.9	-2.4	-2.3	-1.8	4.0	5.7	106	2	12	81	1.8	1.7	0.7	1.4	L0.8	0.7	P0.1	S0.4	2.3	2.2</								

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ST	Name of Bull	Registration Number	GT	BBR	JH1	NAAB Code	No. Hrds	No. Daus	REL %	Milk	% Fat	Fat	% Prot	Prot	CM\$	NM\$	FM\$	GM\$	SCS
A	BW KARBALA-ET	USA 115611760	HD	100	C	11JE978	299	3,030	99	131	0.11	28	0.00	5	230	225	216	162	2.90
A	GABYS GAZETTE-ET	USA 117168802	50K	100	F	91JE5405	10	16	85	679	-0.08	14	-0.04	16	268	280	306	255	3.16
A	GABYS TBONE BRANSON-ET	USA 116697813	50K	100	F	147JE6185	177	536	95	-595	0.27	23	0.10	-2	238	211	149	181	2.96
A	JARS OF CLAY BARNABAS	USA 067342492	80K	100	F	7JE1294	214	984	98	595	0.05	38	0.00	22	232	224	208	123	2.97
A	HILMAR PAUL BRONCO (5)-ET	USA 118381604	80K	100	F	147JE6219	6	74	92	501	0.08	40	0.06	30	215	192	139	85	3.03
F	RIBBLESDALE BEAUMONT	GBR 000055792	8K	100	F	224JE2336	13	18	72	-487	0.31	35	0.14	7	203	165	76	174	2.93
A	AHLEM VALENTINO MAUI 21838	USA 068951472	50K	100	C	203JE1385	58	376	97	579	-0.16	-6	-0.06	8	211	229	272	187	3.12
A	ALL LYNNIS LOUIE VARICK-ET	USA 116279404	50K	100	F	203JE1081	17	103	94	1398	-0.20	25	-0.06	36	201	215	249	180	3.18
A	JX JER BEL REGION HEMI (4)	USA 117269624	50K	100	F	151JE8	23	272	97	206	0.19	47	0.06	20	217	195	144	88	3.04
A	HOMETOWN GAMEPLAN-ET	USA 118406769	80K	100	F	91JE5521	8	12	83	-445	0.18	14	0.07	-2	131	113	69	102	3.03
A	BUTTERCREST FIRESTONE	USA 116650975	50K	100	C	203JE1033	23	222	96	241	0.10	32	0.07	23	158	131	69	28	2.95
A	JER-Z-BOYZ FELIZ (6)	USA 117338818	50K	100	F	44JE518	4	62	92	144	0.05	16	0.00	7	172	167	155	155	2.97
A	CHILLI ACTION COLTON-ET	USA 066738335	50K	100	F	7JE1088	215	541	97	-874	0.27	9	0.10	-14	130	114	72	119	3.10
F	GLANMOR BELMONT WELSH WIZARD	GBR 000055719	8K	100	F	224JE2293	50	95	83	-89	0.10	16	0.03	3	138	127	101	134	2.95
A	SPRING CREEK ABE CHUCK	USA 116813110	50K	100	F	203JE1032	19	240	97	587	0.04	37	0.06	33	143	121	70	22	3.11
A	GABYS ASCOT-ET	USA 117238958	50K	100	F	80JE4019	14	23	86	33	0.20	40	0.02	4	180	174	160	129	2.98
A	SUNSET CANYON APPRENTICE-ET	USA 115140569	50K	100	C	203JE761	20	686	99	262	0.10	31	0.00	10	110	109	105	48	3.05
F	POTTERS WALLS STARBUCK	GBR 000055607	8K	100	F	224JE2275	85	188	84	-727	0.33	28	0.09	-10	113	93	43	106	2.96
A	HOMETOWN IRRESISTABLE-ET	CAN 011611206	80K	100	F	91JE5520	28	45	86	-193	0.04	-1	0.01	-5	111	112	114	50	3.06
A	STEINHAUERS IATOLA APPLEJACK	USA 115488982	50K	100	F	11JE968	347	2,608	99	-323	0.12	8	0.07	2	6	-2	-26	89	3.31
F	ISAU BROADLIN AUSSIEGOLD-P-ET	AUS A00020434	50K	100	F	160JE3004	81	316	82	-245	0.13	14	0.08	6	76	52	-6	30	2.88
A	HILMAR MERCHANT MANUEL	USA 117577466	50K	100	F	147JE6210	4	43	91	31	0.11	24	0.00	3	55	49	37	-16	2.92
F	CLOONEY CONQUERER-ET	GBR 000055781	8K	100	F	224JE2329	18	42	80	-401	0.18	16	0.07	-2	55	36	-8	11	2.93
F	SAXOWN KAISER CHIEF	GBR 000055717	8K	100	F	224JE2316	28	47	80	87	-0.06	-8	-0.01	0	19	23	32	-17	2.99
A	SUNBOW NUGGET-ET	USA 113707397	8K	100	C	44JE515	17	103	94	321	-0.04	8	-0.01	9	5	4	3	-41	2.96
A	TJF/LEE CARRIER MANTACHIE-ET	USA 116518707	50K	100	C	203JE978	4	74	93	196	-0.08	-7	-0.04	-1	-38	-25	5	-42	3.06
A	SV JADE HIRED GUN-ET	USA 115093063	50K	100	F	94JE3720	708	2,246	99	-1288	0.22	-20	0.10	-28	-78	-90	-124	-23	3.13
F	FOURCROSSES ONTIME STAG	GBR 000055596	8K	100	F	224JE2284	32	85	82	-514	0.06	-13	0.04	-11	-129	-132	-143	-133	3.11
A	GUIMO JOEL-ET	CAN 106797223	50K	100	F	200JE384	272	1,296	98	-872	0.09	-24	0.08	-15	-174	-184	-212	-171	3.24
A	SUNSET CANYON ANDREAS	USA 117597125	99K	100	F	94JE4036	18	58	90	-1046	0.09	-34	0.05	-29	-152	-154	-161	-128	3.04
A	ARETHUSA VERBATIM RESPONSE-ET	USA 116023076	50K	100	F	94JE3704	427	955	98	-1472	0.27	-20	0.09	-37	-185	-196	-223	-177	3.04
A	BRIDON EXCITATION	CAN 008572453	50K	100	F	200JE136	855	2,578	99	-1158	0.12	-32	0.03	-36	-224	-215	-198	-212	3.19
A	HOMETOWN ACTION HERO	CAN 010973163	50K	100	F	80JE4014	46	65	89	-572	0.01	-25	0.02	-17	-218	-207	-184	-180	3.36
A	AVONLEA KOOKIES KONSPIRACY-ET	CAN 010989473	50K	100	F	76JE3276	61	100	91	-1696	0.18	-48	0.08	-47	-233	-235	-244	-183	3.09
A	HOMETOWN INCENTIVE-ET	USA 118407078	80K	100	F	91JE5503	70	91	89	-1327	0.14	-38	0.04	-40	-318	-314	-308	-311	3.11
A	TOWER VUE PRIME TEQUILA-ET	USA 114816452	HD	100	F	76JE156	1,108	3,329	99	-1472	0.23	-29	0.09	-36	-406	-408	-419	-458	3.36

**Herd Register or Generation Count 4-6 and BBR 100: Active (A) and Foreign (F) Bulls Marketed in US by JPI
December 2017**

PL	LIV	DPR	CCR	HCR	EFI	JPI	Type Hrds	Type Daus	Type REL	FS	ST	SR	DF	RA	RW	RL	FA	FU	RH	RWU	UC	UD	TP	TL	RTP RV	RTP SV	JUI
3.2	0.3	-1.4	-1.0	0.8	8.7	71	189	1,868	99	1.8	1.4	-0.6	0.9	L0.8	0.4	S0.2	0.0	2.1	1.3	0.7	0.2	S3.1	C1.1	S0.8	C1.4	C0.9	26.8
5.7	2.4	1.5	1.2	-0.5	8.0	69	8	12	81	0.8	0.8	0.2	0.7	L0.8	0.2	P0.2	S0.2	1.0	1.0	0.5	0.0	S1.0	C0.5	S0.2	W0.1	C0.7	10.9
3.2	2.1	0.3	-1.0	2.1	9.6	67	104	308	91	1.4	0.7	0.3	0.7	H0.1	0.3	S0.5	S1.0	1.8	0.6	0.5	0.7	S2.0	C1.9	S0.8	C2.6	B0.3	22.1
2.3	-4.2	-3.6	-3.6	0.8	8.8	65	133	525	98	2.3	2.1	1.2	2.0	L1.0	0.6	P1.2	S1.1	1.7	2.1	1.5	0.9	S1.7	C1.0	0.0	C1.7	B0.7	22.9
0.5	-2.4	-3.9	-3.6	-0.6	9.4	64	3	38	86	0.8	0.4	-0.4	1.0	L0.7	-0.9	S0.8	L0.2	-0.4	0.7	0.8	0.8	D0.3	C1.2	S0.3	C1.2	B0.3	4.5
0.0	0.1	0.9	1.7	-0.8	4.6	61	0	0	70	0.3	1.4	0.8	-0.2	L0.3	0.7	S0.6	S0.1	0.8	-0.5	-0.1	0.2	S1.4	C0.8	S0.7	W0.7	C0.3	10.2
6.1	3.3	0.6	-0.1	0.7	9.6	58	33	158	94	2.1	0.7	0.5	0.5	L0.9	-0.1	P0.6	S0.9	2.8	2.4	0.4	0.3	S3.3	C0.5	0.0	C0.6	B0.6	30.8
1.2	0.1	-0.9	0.5	1.9	9.5	55	9	55	90	-0.4	0.0	-0.3	0.9	L1.3	-0.5	0.0	L0.3	-1.8	0.4	0.7	0.4	D2.3	W1.7	L0.4	W2.5	C0.9	-15.5
0.0	-0.2	-3.5	-3.9	-2.8	6.3	50	12	68	90	0.9	0.0	0.6	1.1	L0.3	-0.2	S0.7	S0.2	-0.3	1.0	0.8	0.6	D0.8	C0.8	0.0	C0.5	B0.9	1.6
1.2	-0.4	-0.2	-0.3	1.6	8.0	44	5	7	80	1.6	0.1	-0.7	0.9	H1.1	0.2	P0.2	S0.5	1.8	1.7	0.6	0.2	S2.2	C0.8	S0.1	C0.5	B0.4	21.4
-0.2	-1.2	-3.8	-4.1	-0.7	10.0	42	8	20	84	0.4	0.1	0.3	0.6	0.0	0.2	P0.3	0.0	-0.1	0.0	0.4	0.3	D1.2	C1.5	S1.1	C2.8	C0.3	-0.8
3.1	-0.5	0.7	0.8	0.1	6.9	41	1	29	86	0.1	-0.4	0.1	-0.6	0.0	0.0	P0.4	S0.6	0.9	0.4	-0.4	0.0	S0.4	W0.7	L1.0	W0.5	B0.2	2.8
2.2	2.7	0.9	1.0	3.0	7.4	40	126	217	92	1.6	1.6	-0.3	1.3	H0.2	0.2	S0.5	S0.5	1.8	1.9	1.0	1.3	S2.2	C0.3	L0.6	C1.5	B1.7	24.5
1.6	-1.2	0.8	1.0	0.0	7.5	37	30	66	74	0.9	-0.2	-0.5	1.0	H0.8	0.1	S0.1	L0.1	0.9	1.2	0.8	-0.9	D0.4	W0.1	S0.1	W0.4	C0.1	0.6
-1.8	-0.5	-4.0	-3.3	-2.4	7.0	34	10	136	95	-1.0	-0.9	-0.1	0.0	L1.0	-0.5	S0.2	L0.1	-1.3	-1.1	0.0	-0.8	D1.6	0.0	S1.0	C0.1	C1.3	-15.2
1.3	0.8	-0.7	-1.0	-0.3	6.1	34	11	16	82	0.0	0.3	0.5	-0.4	L0.6	0.6	S0.5	S0.2	0.3	-0.4	-0.3	-0.6	D0.4	C0.2	L0.3	C0.6	C1.7	-4.6
0.5	-1.0	-2.0	-1.8	-1.6	9.8	24	12	96	93	0.5	0.2	0.1	0.4	H0.5	0.3	P0.1	L0.4	-0.2	0.3	0.3	0.2	D0.2	W0.3	0.0	W0.8	C0.3	-0.2
0.9	-0.1	1.1	1.6	-0.6	4.8	23	38	90	70	-0.1	0.7	0.7	-0.7	H0.4	0.2	0.0	0.0	0.2	0.3	-0.5	0.3	S0.4	W0.1	S0.5	W0.2	B0.2	4.9
5.1	0.8	-0.8	-1.8	-0.2	8.0	22	9	22	83	1.4	0.9	-0.1	0.3	H0.3	0.1	P0.4	S0.4	2.3	1.1	0.2	-0.6	S2.8	C1.0	L0.1	C0.8	0.0	20.7
-1.6	-3.6	2.2	3.2	2.0	8.3	21	233	1,345	99	1.5	1.6	-0.7	1.1	H0.9	0.3	P0.1	S0.4	1.0	1.7	0.8	-0.1	S1.8	C0.7	0.0	C0.1	C0.1	15.9
-0.3	0.0	-0.3	-1.7	-0.5	7.4	14	39	103	78	0.3	1.2	2.0	-0.1	L0.9	1.0	P0.2	S0.2	-0.1	-0.1	0.0	0.5	D0.5	C0.4	L0.5	0.0	B0.1	-1.2
-0.4	-1.2	-2.6	-2.3	-1.3	7.6	14	2	36	86	0.5	-0.3	0.4	0.6	L0.6	0.2	S0.3	L0.4	0.7	0.1	0.5	0.0	S0.2	C0.4	S1.1	C0.9	C0.6	5.5
0.0	-2.5	-1.1	-1.8	-0.7	9.6	13	18	35	75	1.0	-0.4	0.4	0.4	0.0	0.5	P0.4	S0.3	1.2	0.9	0.3	0.2	S0.5	C1.3	L0.2	C1.9	B0.2	10.1
1.1	1.1	-1.4	-0.8	-0.3	6.9	7	24	36	73	0.5	-0.1	-0.4	0.8	0.0	0.0	P0.2	S0.3	1.1	0.7	0.6	-0.6	S1.4	C0.5	S0.9	W0.7	B0.1	11.1
-0.6	-0.9	-1.6	-2.4	-2.1	9.3	-5	9	67	90	-0.6	-0.8	-0.4	-0.1	0.0	-0.6	S0.2	0.0	-1.3	-0.7	0.0	0.5	D1.7	W0.4	L0.1	W0.3	C0.5	-11.9
0.7	1.4	-0.3	-0.5	0.2	8.0	-19	3	55	89	0.3	0.9	1.4	-0.5	L0.8	1.4	P0.1	S0.2	0.4	-0.3	-0.3	0.2	S0.3	0.0	L0.6	C0.1	C0.8	1.5
1.9	0.6	2.7	3.8	1.2	4.2	-27	474	1,417	99	0.8	1.0	0.8	-0.3	H2.1	1.4	P0.4	S1.0	1.6	0.0	-0.2	-0.2	S1.9	C1.0	S0.4	C1.0	B0.4	14.2
-1.6	-2.2	-1.3	-1.3	-0.6	5.7	-28	24	55	72	1.0	-1.0	-0.9	0.1	H1.2	-0.5	P0.3	S0.5	1.6	1.2	0.1	-0.2	S1.6	C0.6	S1.2	W0.6	B0.3	16.7
-1.4	-1.8	-1.0	-0.8	2.1	8.2	-37	205	675	97	1.7	1.5	0.7	0.5	H1.9	1.0	P0.8	S1.2	2.3	0.8	0.4	0.9	S3.5	C0.9	S0.4	C1.5	B0.5	29.6
0.9	0.1	0.5	0.5	0.6	4.5	-46	15	46	85	1.4	1.4	0.2	0.4	H2.0	1.2	P1.5	S1.8	2.7	0.8	0.3	0.2	S2.9	C0.5	L1.4	C0.3	B0.6	22.0
-0.9	0.2	-0.7	1.1	2.8	5.0	-57	314	730	97	0.6	0.3	-0.6	0.1	H1.2	0.1	P0.8	S1.2	1.7	-0.3	0.0	-0.8	S2.0	W0.1	S0.3	W0.5	C0.6	10.3
0.8	0.1	-1.0	1.2	1.4	6.4	-65	574	1,792	98	0.8	0.3	0.0	-0.1	H1.1	0.1	P1.2	S1.3	2.6	0.0	0.0	-0.1	S3.6	C0.6	S0.2	C0.1	C0.3	24.2
-1.1	1.4	0.2	0.6	0.7	7.4	-67	40	60	85	0.4	1.7	0.7	0.3	L0.3	0.6	P0.2	L0.2	-0.2	0.0	0.2	0.5	0.0	0.0	L0.3	C0.4	C0.1	0.9
1.3	3.2	1.7	2.3	2.1	5.1	-74	53	88	87	0.7	1.7	1.1	0.1	H1.4	1.2	P0.6	S2.0	2.2	0.0	0.1	0.2	S2.1	C2.9	L0.1	C2.1	C0.3	19.9
-0.8	-1.3	-1.1	-1.6	-0.5	5.1	-97	52	67	85	1.1	1.5	0.5	0.5	H0.9	1.0	P0.4	S0.6	1.7	0.7	0.4	0.3	S2.4	C0.6	L1.0	C1.2	B0.5	17.8
-2.5	-4.4	-4.1	-5.3	-1.3	3.8	-125	767	2,330	99	1.6	3.4	0.8	0.8	H0.4	1.2	P0.9	S0.6	1.8	1.1	0.6	0.7	S3.3	C1.0	L1.6	C1.2	B0.9	24.2